



Please type a plus sign (+) inside this box → ☒

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing
OR
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number B-076 (5412US)

First Named Inventor Mizia et al.

COMPLETE IF KNOWN

Application Number 09 / 965,946

Filing Date 09/26/01

Group Art Unit 1742

Examiner Name T. McGuthry Banks

RECEIVED
OCT 30 2003
TC 1700

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NEUTRON ABSORBING ALLOYS

the specification of which (Title of the Invention)

☐ is attached hereto
OR

☒ was filed on (MM/DD/YYYY) 09/26/01 as United States Application Number or PCT International

Application Number 09/965,946 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/235,947	09/26/00	

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☒

PTO/SB/01 (12-97)
Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

Name	Registration Number	Name	Registration Number
Stephen R. Christian	32,687		
Alan D. Kirsch	33,720		

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

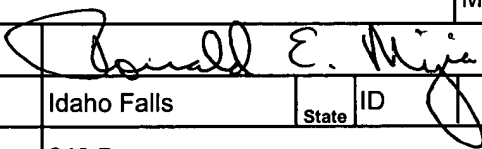
Direct all correspondence to: ☐ Customer Number or Bar Code Label ☒ Correspondence address below

Name	Stephen R. Christian				
Address	Bechtel BWXT Idaho, LLC				
Address	P. O. Box 1625				
City	Idaho Falls	State	ID	ZIP	83415-3899
Country	US	Telephone	208-526-9140	Fax	208-526-8339

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))		Family Name or Surname					
Ronald E.		Mizia					
Inventor's Signature				Date	7-17-02		
Residence: City	Idaho Falls	State	ID	Country	US	Citizenship	US
Post Office Address	240 Beacon						
Post Office Address							
City	Idaho Falls	State	ID	ZIP	83402	Country	US

☒ Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → ☒

PTO/SB/02A (3-97)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

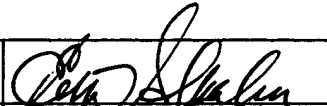
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 2

RECEIVED

APR 30 2003
TC 1700

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Eric L.				Shaber			
Inventor's Signature				Date	7/17/02		
Residence: City	Idaho Falls	State	ID	Country	US	Citizenship	US
Post Office Address	2878 Newman Drive						
Post Office Address							
City	Idaho Falls	State	ID	ZIP	83402	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
John N.				DuPont			
Inventor's Signature				Date			
Residence: City	Whitehall	State	PA	Country	US	Citizenship	US
Post Office Address	4422 Amman Way						
Post Office Address							
City	Whitehall	State	PA	ZIP	18015	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Charles V.				Robino			
Inventor's Signature				Date			
Residence: City	Albuquerque	State	NM	Country	US	Citizenship	US
Post Office Address	13121 Marble Avenue						
Post Office Address							
City	Albuquerque	State	NM	ZIP	87112	Country	US

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

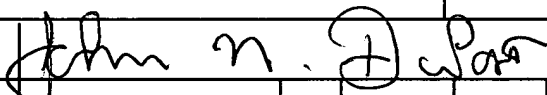
Please type a plus sign (+) inside this box → ☒

PTO/SB/02A (3-97)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 2

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Eric L.				Shaber			
Inventor's Signature				Date			
Residence: City		Idaho Falls	State	ID	Country	US	Citizenship
Post Office Address		2878 Newman Drive					
Post Office Address							
City		Idaho Falls	State	ID	ZIP	83402	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
John N.		DuPont					
Inventor's Signature				Date		7-17-02	
Residence: City		Whitehall	State	PA	Country	US	Citizenship
Post Office Address		4422 Amman Way					
Post Office Address							
City		Whitehall	State	PA	ZIP	18015	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Charles V.		Robino					
Inventor's Signature				Date			
Residence: City		Albuquerque	State	NM	Country	US	Citizenship
Post Office Address		13121 Marble Avenue					
Post Office Address							
City		Albuquerque	State	NM	ZIP	87112	Country

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

X

PTO/SB/02A (3-97)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 2

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Eric L.				Shaber			
Inventor's Signature				Date			
Residence: City	Idaho Falls	State	ID	Country	US	Citizenship	US
Post Office Address	2878 Newman Drive						
Post Office Address							
City	Idaho Falls	State	ID	ZIP	83402	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
John N.				DuPont			
Inventor's Signature				Date			
Residence: City	Whitehall	State	PA	Country	US	Citizenship	US
Post Office Address	4422 Amman Way						
Post Office Address							
City	Whitehall	State	PA	ZIP	18015	Country	US
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Charles V.				Robino			
Inventor's Signature	<i>Charles V Robino</i>			Date		7/13/02	
Residence: City	Albuquerque	State	NM	Country	US	Citizenship	US
Post Office Address	13121 Marble Avenue						
Post Office Address							
City	Albuquerque	State	NM	ZIP	87112	Country	US

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.


Please type a plus sign (+) inside this box → ☒

PTO/SB/02A (3-97)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 2

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
David B.				Williams			
Inventor's Signature				Date		7/7/02	
Residence: City		Bethlehem		State		PA	
				Country		US	
Post Office Address		2002 Montgomery Street					
Post Office Address							
City		Bethlehem		State		PA	
				ZIP		18017	
				Country		US	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City				State			
				Country			
Post Office Address							
Post Office Address							
City				State			
				ZIP			
				Country			
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City				State			
				Country			
Post Office Address							
Post Office Address							
City				State			
				ZIP			
				Country			

RECEIVED
OCT 30 2003
TC 1700

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mizia et al.

Serial No.: 09/965,946

Filed: September 26, 2001

For: NEUTRON ABSORBING ALLOYS

Examiner: T. McGuthry Banks

Group Art Unit: 1742

Attorney Docket No.: B-076

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. box 1450, Alexandria, VA 22313-1450.

10/22/03
Date of Deposit

Mandy Landon
Signature of registered practitioner or other person
having reasonable basis to expect mailing to occur
on date of deposit shown pursuant to 37 C.F.R. §
1.8(a)(1)(ii)
Mandy Landon
Typed/printed name of person whose signature is
contained above

**ASSENT OF ASSIGNEE TO CORRECTION
AND/OR ADDITION OF INVENTOR(S)
AND STATEMENT PURSUANT TO 37 C.F.R. § 3.73**

Commissioner for Patents
P.O. Box 1459
Alexandria, VA 22313-1450

The undersigned Assignee has by way of assignments, an undivided interest in the above-referenced application for U.S. Letters Patent hereby assents to the correction of inventorship in this application filed herewith.

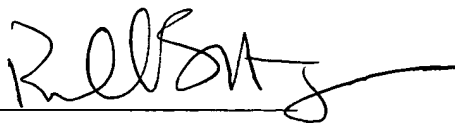
Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically the Assignment to Sandia National Laboratory recorded October 7, 2002, at Reel 013391, Frame 0389, and certifies that to the best of his/her knowledge and belief, title remains in the name of Sandia National Laboratory.

The undersigned further avers that he/she is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

Application Serial No. 09/965,946

Date: 4/24/03

SANDIA CORPORATION
P.O. Box 5800
Albuquerque, NM 87185-1380

By: 

Russell D. Elliott, Chief IP Counsel
Intellectual Property Center, MS 0161



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mizia et al.

Serial No.: 09/965,946

Filed: September 26, 2001

For: NEUTRON ABSORBING ALLOYS

Examiner: T. McGuthry Banks

Group Art Unit: 1742

Attorney Docket No.: B-076

RECEIVED

OCT 30 2003

TC 1700

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

10/22/03
Date of Deposit

Mandy Landon
Signature of registered practitioner or other person having reasonable basis to expect mailing to occur on date of deposit shown pursuant to 37 C.F.R. § 1.8(a)(1)(ii)

Mandy Landon
Typed/printed name of person whose signature is contained above

**ASSENT OF ASSIGNEE TO CORRECTION
AND/OR ADDITION OF INVENTOR(S)
AND STATEMENT PURSUANT TO 37 C.F.R. § 3.73**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

The undersigned Assignee has by way of assignments, an undivided interest in the above-referenced application for U.S. Letters Patent hereby assents to the correction of inventorship in this application filed herewith.

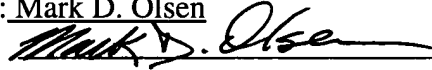
Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically the Assignment to Bechtel BWXT Idaho, LLC recorded July 16, 2002, at Reel 013106, Frame 0852, and certifies that to the best of his/her knowledge and belief, title remains in the name of Bechtel BWXT Idaho, LLC. The undersigned further avers that he/she is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

Application Serial No. 09/965,946

BECHTEL BWXT IDAHO, LLC
2525 North Fremont Avenue
Idaho Falls, Idaho 83415-3899

Date: 21 October 2003

By: Mark D. Olsen

A handwritten signature in black ink, appearing to read "Mark D. Olsen", written over a horizontal line.

Its Assistant Secretary



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mizia et al.

Serial No.: 09/965,946

Filed: September 26, 2001

For: NEUTRON ABSORBING ALLOYS

Examiner: T. McGuthry Banks

Group Art Unit: 1742

Attorney Docket No.: B-076

RECEIVED

OCT 30 2003

TC 1700

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

10/27/03
Date of Deposit

Mandy Landon
Signature of registered practitioner or other person having reasonable basis to expect mailing to occur on date of deposit shown pursuant to 37 C.F.R. § 1.8(a)(1)(ii)
Mandy Landon
Typed/printed name of person whose signature is contained above

**ASSENT OF ASSIGNEE TO CORRECTION
AND/OR ADDITION OF INVENTOR(S)
AND STATEMENT PURSUANT TO 37 C.F.R. § 3.73**

Commissioner for Patents
Washington, D.C. 20231

The undersigned Assignee has by way of assignments, an undivided interest in the above-referenced application for U.S. Letters Patent hereby assents to the correction of inventorship in this application filed herewith.

Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically the Assignment to Lehigh University recorded UNKNOWN, at Reel UNKNOWN Frame UNKNOWN and certifies that to the best of his/her knowledge and belief, title remains in the name of Lehigh University.

The undersigned further avers that he/she is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

LEHIGH UNIVERSITY
27 Memorial Drive West
Bethlehem, PA 18015-3085

Date: 9/18/02

By: Margaret F. Plympton

Margaret F. Plympton

Vice President